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FORM PTO 146  
REV. 7-80

U. S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

CRP-001CP3

SERIAL NO.

422,699

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
NMN	AA	4	2	9	4	7	5	3	10/81	Urist	530 260	840 112	
NMN	AB	4	4	3	4	0	9	4	02/84	Seyedin et al.	530 260	840 112	
NMN	AC	4	4	5	5	2	5	6	06/84	Urist	530 260	840 112	
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NMN	AL	8	8	0	0	2	0	5	1-88	(WO PCT)	—	—	—	—
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NMN	AN	0	2	1	2	4	7	4	3-87	EP	—	—	—	—
NMN	AO	8	9	1	0	4	0	9	11-89	(WO PCT)	—	—	—	—
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OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Canalis et al., Science 210: 1021-1023 (1980)
NMN	AS	Glowacki et al., Lancet 1: 959-963 (1981)
NMN	AT	Reddi, Collagen Rel. Res. 1: 209-226 (1981)

EXAMINER

*Clutton M. Nutt*

DATE CONSIDERED

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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FORM PTO 1449  
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NMN	AR	Sampath et al., <u>Proc. Natl. Acad. Sci. USA</u> 78:7599-7603 (1981)
NMN	AS	Farley et al., <u>Biochem.</u> 21:3508-3513 (1982)
NMN	AT	Urist et al., <u>Proc. Soc. Exp. Bio. Med.</u> 173:194-199 (1983)

EXAMINER

*Walter M. Meltz*

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NMN	AT	Urist et al., II, Proc. Natl. Acad. Sci. USA 81:371-375 (1984)

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*Matthew M. Urist*

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OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Reddi, J., <u>Biomed. Mat. Res.</u> 19:233-239 (1985)
NMN	AS	Seyedin et al., <u>Proc. Natl. Acad. Sci. USA</u> 82:2267-2271 (1985)
NMN	AT	Klausner, <u>Biotechnology</u> 3:567-568 (1985)

EXAMINER

*Kathleen M. Kuth*

DATE CONSIDERED  
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NMN	AR	Centrella et al., Proc. Natl. Acad. Sci. USA 82:7335-7339 (1985)
NMN	AS	Sampath et al., Extracellular Matrix: Structure and Function (A.H. Reddi, Ed)
NMN	AT	Allen R. Liss, Publ. NY pp. 412-428 (1985)
NMN		Weeks et al., Cell 51:861-867 (1987)

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*Atherton M. Nuttall*

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NMN	AR	Sampath et al., <u>Proc. Natl. Acad. Sci. USA</u> 84:7109-7113 (1987)
NMN	AS	LeGendre et al., <u>Biotechniques</u> 6:154-159 (1988)
NMN	AT	Wang et al., <u>Calcified Tissue Int. (Supplement)</u> Ab. No. 146, pp. A37 (1988)

EXAMINER

*Walter M. Nuttin*

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Sheet 7 of 7

FORM PTO 1470  
REV. 7-80

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LIST OF REFERENCES CITED BY APPLICANT  
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APPLICANT

Ruger et al.

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NMN	AR	Wozney et al., <u>Calcified Tissue Int. (Supplement)</u> Ab. No. 147, pp. A37 (198
	AS	Wang et al., II, <u>Proc. Natl. Acad. Sci. USA</u> 85:9484-9488 (1988) missing
NMN	AT	Wozney et al., II, <u>Science</u> 242:1528-1534 (1988)

EXAMINER

*M. Math*

DATE CONSIDERED

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<p>25</p> <p>LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary) 1990</p> <p>MAIL ROOM PAT &amp; TRADEMARK OFF</p>		APPLICANT Rueger et al.		FILING DATE October 17, 1989		GROUP 158 153		
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NMN	AR		Simpson, Trends Biochem. Sci. 9:527-530 (1984)					
	AS		Maugh, Science 217:819 (1982) <i>missing</i>					
NMN	AT		Padgett et al., Nature 325:81-84 (1987)					
EXAMINER <i>Nathan M Nutt</i>				DATE CONSIDERED 4-20				
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								

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<b>LIST OF REFERENCES CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>						APPLICANT Rueger et al.		
						FILING DATE October 17, 1989	GROUP 158 153	
 23 1990		U. S. PATENT DOCUMENTS						
EXAMINER INITIALS TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME			CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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NMN	4 5 6 3 4 8 9	01/86	Urist			524	21	02/10/84
NMN	4 5 6 3 3 5 0	01/86	Nathan et al.			424	95	10/24/84
NMN	4 8 7 7 8 6 4	10/89	Wang et al			530	324	
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NMN	0 1 2 8 0 4 1	12-84	EPO			—	—	— —
OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)								
NMN	AR		Colowick et al., <u>Methods in Enzymology</u> 146:294-312 (1987)					
NMN	AS		Olson et al., <u>Analyt. Biochem.</u> 146:232-237 (1985)					
NMN	AT		Seyedin et al., <u>J. Cell Biol.</u> 97:1950-1953 (1983)					
EXAMINER <i>N. Nutter</i>				DATE CONSIDERED 4-90				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								



Sheet 1 of 8

FORM PTO 1449 REV. 7-80				U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. CRP-001CP3	SERIAL NO. 422,699	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Rueger et al.				
				FILING DATE October 17, 1989		GROUP 153		
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA		4 2 9 4 7 5 3	10/81	Urist	previously cited	260	112	
AB		4 4 3 4 0 1 9 4	02/84	Seyedin et al.	"	260	112	
AC		4 4 5 5 2 5 6	06/84	Urist	"	260	112	
AD		4 8 7 7 8 6 4	10/89	Wang et al.	previously cited	514	324	
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AL		8 8 0 0 2 0 5	(WO PCT)	previously cited				YES NO
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AN		0 2 1 2 4 7 4	EP	"	"			
NMN	AO	8 9 0 9 6 0 5	10-89	(WO PCT)				
NMN	AP	8 9 1 0 4 0 9	11-89	(WO PCT)				
OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)								
AR		Canalis et al., Science 210: 1021-1023 (1980)					previously cited	
AS		Glowacki et al., Lancet 1: 959-963 (1981)					previously cited	
AT		Reddi, Collagen Rel. Res. 1: 209-226 (1981)					previously cited	
EXAMINER	<u>U. Muth</u>			DATE CONSIDERED 4-80				

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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)						APPLICANT <b>Rueger et al.</b>				
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AR		<u>Sampath et al., Proc. Natl. Acad. Sci. USA 78:7599-7603 (1981)</u>							<i>previously cited</i>	
AS		<u>Farley et al., Biochem. 21:3508-3513 (1982)</u>							<i>11</i>	
AT		<u>Orist et al., Proc. Soc. Exp. Biol. Med. 173:194-199 (1983)</u>							<i>4</i>	
EXAMINER	<i>Y M Muthu</i>				DATE CONSIDERED <b>4-20</b>					
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								all previously cited	
AS		Urist et al., Clin. Orth. Rel. Res. 187:277-280 (1984)							
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EXAMINER	<u>W M Nutt</u>				DATE CONSIDERED		4-20		
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	AR		Reddi, J., <u>Biomed. Mat. Res.</u> 19:233-239 (1985)						all	
	AS		Seyedin et al., <u>Proc. Natl. Acad. Sci. USA</u> 82:2267-2271 (1985)						previous	
	AT		Klausner, <u>Biotechnology</u> 3:567-568 (1985)						cited	
EXAMINER			<u>W.M. Weller</u>			DATE CONSIDERED			4-90	
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AS		<u>Sampath et al., Extracellular Matrix: Structure and Function (A.H. Reddi, Ed.)</u>								
AT		<u>Allen R. Liss, Publ. NY pp. 412-428 (1985)</u>								
		<u>Weeks et al., Cell 51:861-867 (1987)</u>								
EXAMINER <u>Y.M. Mather</u>					DATE CONSIDERED <u>4-90</u>					
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AS		LeGendre et al., Biotechniques 6:154-159 (1988) <i>all previously cited</i>							
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						October 17, 1989	153		
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME			CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA								
	AB								
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FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY			CLASS	SUBCLASS	TRANSLATION
	AL								YES <input type="checkbox"/> NO <input type="checkbox"/>
	AM								
	AN								
	AO								
	AP								
OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)									
AR		Wozney et al., Calcified Tissue Int. (Supplement) Ab. No. 147, pp. A37 (1988) previously cited							
AS		Wang et al., II, Proc. Natl. Acad. Sci. USA 85:9484-9488 (1988) missing							
AT		Wozney et al., II, Science 242:1528-1534 (1988) previously cited							
EXAMINER	<u>YM Nutt</u>				DATE CONSIDERED <u>4-90</u>				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

FORM PTO 1449 REV. 7-80		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.	SERIAL NO.
				CRP-001CP3	422,699
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT	
				Rueger, et al.	
		FILING DATE	GROUP		
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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
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## OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		Lyons et al., Proc. Natl. Acad. Sci. USA 86: 4554-4558 (1989)	
			MISSING
AS			
AT			

EXAMINER	<i>M. M. Muth</i>	DATE CONSIDERED
		4-90

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